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IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Yoshiyuki Tanaka, et al.

Filing Date

August 7, 1998

Group Art Unit

2186

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE       | NAME             | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|-----------------|------------|------------------|-------|----------|-------------------------------|
| DL                  | 3,432,795       | 03-11-1969 | M. L. Jayne      | 439   | 60       |                               |
| DL                  | 4,849,944       | 07-18-1989 | Matsushita       | 714   | 718      |                               |
| DL                  | 4,889,495       | 12-26-1989 | Kimura           | 439   | 60       |                               |
| DL                  | 5,584,030       | 12-10-1996 | Husak, et al.    | 713   | 300      |                               |
| DL                  | 5,636,347       | 06-03-1997 | Muchnick, et al. | 710   | 302      |                               |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT NUMBER  | DATE       | COUNTRY  | CLASS | SUBCLASS | Translation |    |
|----|--|------------|----------|-------|----------|-------------|----|
|    |  |            |          |       |          | YES         | NO |
|    | 01-296482  | 11-29-1989 | Japan    |       |          | Abstract    |    |
|    | 06-309243  | 11-04-1994 | Japan    |       |          | Abstract    |    |
|    | 07-041619  | 02-10-1995 | Japan    |       |          | Abstract    |    |
|    | 08-090969  | 04-09-1996 | Japan    |       |          | Abstract    |    |
|    | 08-211073  | 08-20-1996 | Japan    |       |          | Abstract    |    |
|    | 10-049257  | 02-20-1998 | Japan    |       |          | Abstract    |    |
|    | 10-040644  | 02-20-1998 | Japan    |       |          | Abstract    |    |
|    | 63-240615  | 10-06-1988 | Japan    |       |          | Abstract    |    |
| DL | EP 0 752 668 A1  | 01-08-1997 | European |       |          |             |    |
| DL | EP 0704 820 A1   | 09-18-1995 | European |       |          |             |    |
| DL | European Search Report of<br>Application No. 98114979.2-2212 | 01-21-04   | European |       |          |             |    |

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Technology Center 2100

EXAMINER

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